

LITTLE COLORADO RIVER BASIN

09395100 CARR LAKE DRAW TRIBUTARY NEAR HOLBROOK, AZ

LOCATION.--Lat 34°50'05", long 109°56'00", in SE¹/₄SE¹/₄, sec.30, T.17 N., R.23 E., Navajo County, Hydrologic Unit 15020005, at (former) U.S. Highway 180, 14 mi southeast of Holbrook.

DRAINAGE AREA.--1.28 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1964	07-28-64	129		1971	09-29-71	45	
1965	00-00-65	0		1972	00-00-72	0	
1966	08-12-66	140		1973	00-00-73	5.0	
1967	00-00-67	35		1974	00-00-74	0	
1968	08-00-68	102		1975	10-29-74	4.0	
1969	09-05-69	39		1976	09-00-76	1.0	
1970	09-06-70	52					

Magnitude and probability of instantaneous peak flow based on period of record 1964-76

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
27	73.8	120	196	266	345
Weighted skew	(logs) =	-0.34			
Mean	(logs) =	1.40			
Standard dev.	(logs) =	0.55			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
103	2.4	5,420	0.0	3.0	7.8	1.3	2.9

